



ROTATING MECHANISM OF BIAXIAL HINGE AND
PORTABLE TELEPHONE EQUIPPED WITH SAME

ABSTRACT

A biaxial hinge having a rotating mechanism that realizes durability, a good tactile feedback, smaller size and more lightweight is provided for use in a notebook computer or a portable telephone that needs to be smaller and more lightweight.

—The biaxial hinge is constituted such that a rotating shaft support member 9 is fixed to a ~~rotation~~rotational shaft support member ~~10~~, a rotation-side member ~~7~~ is inserted and attached to the outer periphery of the rotating shaft member ~~9~~, and an opening/ closing torque unit mechanism ~~12~~ for opening and closing operations is disposed at the rotation-side member ~~7~~, wherein sliding friction torque and click torque are generated by the load produced by a coil spring ~~6~~ between pressing members ~~4~~ and the rotating shaft support member ~~10~~ or a sliding member ~~3~~ attached to the rotating shaft member ~~9~~. The rotating mechanism of the biaxial hinge of the present invention affords good durability, a good tactile feedback, and a reduction in size and weight. And, this rotating mechanism is applied to a portable telephone.